	Application No.	Applicant(s)	
Notice of Allowability	09/992,652	GREEN ET AL.	
	Examiner	Art Unit	
	Fred I. Ehichioya	2162	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *interview summary of November 30, 2005*.

2. ☒ The allowed claim(s) is/are *1 - 7, 10, 21 - 24, 26 - 30 and 33 (renumbered 1 - 18)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

         1. ☐ Certified copies of the priority documents have been received.

         2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

         3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

     * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

     (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

         1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

     (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

**SHAHID ALAM
PRIMARY EXAMINER**

DETAILED ACTION

Examiner's Amendment

1.   During telephone conversation with John J. Ignatowski, Attorney for the

Applicants, Registration Number 36,555 on December 6, 2005 authorizations for this

Examiner's amendment was given in a telephone interview.

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims,

Please amend the followings:

1. (CURRENTLY AMENDED) A method of generating a file suitable for

programming a programmable logic device, the method comprising the steps of:

(A) generating a programming item from a plurality of parameters that

define a program for said programmable logic device;

(B)   compressing said programming item to present a compressed item;

(C)   storing said programming item in a programming field of said file;

(D)   storing said compressed item in a plurality of first non-programming

fields of said file; and

(E) storing at least one non-programming type information item in a

second non-programmable field of said file;

(F)   generating an error detection item;

(G)   storing said error detection item in a third non-programming field of

said file;

(H)   extracting said error detection item and said compressed item from

said file; and

(I)   decompressing said compressed item to present a backup

programming item, wherein said decompressing includes mapping said compressed

item from a character representation to a symbol representation.

2. (CURRENTLY AMENDED) The method according to claim 1, further

comprising the step of storing at least one of said parameters in a ~~third~~ fourth

non-programming field of said file.

Please cancel claims 8 and 9.

10. (CURRENTLY AMENDED) The method according to claim 1, wherein

said steps (A) through ~~(E)~~ (I) are stored in a storage medium as a computer program

that is readable and executable by a computer to generate said file.

21.   (CURRENTLY AMENDED) The method according to claim 1,

further comprising the step of adding a plurality of delimiters around said compressed

item in a plurality of ~~third~~ fourth non-programming fields.

Please cancel claim 25.

26. (CURRENTLY AMENDED) The method according to claim 25 1,

wherein said step of decompressing said compressed item further comprises the

sub-step of decoding said compressed item from said symbol representation to a binary

representation in response to mapping.

27. (CURRENTLY AMENDED) The method according to claim 31 1,

wherein said step of extracting said compressed item comprises the sub-step of parsing

a plurality of comments lines containing said compressed item from said file using a

plurality of delimiters.

28. (CURRENTLY AMENDED) The method according to claim 27 1,

wherein said step of extracting said error detection item comprises the sub-step of

parsing at least one comment line containing said error detection item from said file

using a plurality of delimiters.

30. (CURRENTLY AMENDED) An apparatus comprising:

means for transferring a file; and

means for (i) generating a programming item from a plurality of parameters that define a program for a programmable logic device, (ii) compressing said programming item to present a compressed item, (iii) storing said programming item in a programming field of said file, and (iv) storing said compressed item in a plurality of non-programming fields of said file, (v) storing at least one non-programming type information item in a second non-programmable field of said file, (vi) generating an error detection item, (vii) storing said error detection item in a third non-programming field of said file, (viii) extracting said error detection item and said compressed item from said file, and (ix) decompressing said compressed item to present a backup programming item, wherein said decompressing includes mapping said compressed item from a character representation to a symbol representation.

Please cancel claims 31 and 32.

33.   (CURRENTLY AMENDED) The method according to claim 32 1, further comprising the step of:

validating said backup programming item with said error detection item.

Allowable Subject Matter

2.   Claims 1 – 7, 10, 21 – 24, 26 – 30 and 33 (renumbered 1 – 18) are allowed over

the prior art of record.

3.   The following is an examiner's statement of reasons for allowance:

        The prior art of record, either singularly or in combination, fail to anticipate

or render obvious the recited feature "compressing said programming item to present a

compressed item, storing said programming item in a programming field of said file,

storing said compressed item in a plurality of non-programming fields of said file, storing

at least one non-programming type information item in a second non-programmable

field of said file, generating an error detection item, storing said error detection item in a

third non-programming field of said file, extracting said error detection item and said

compressed item from said file, and decompressing said compressed item to present a

backup programming item, wherein said decompressing includes mapping said

compressed item from a character representation to a symbol representation", as

recited in the independent claims.

        The dependent claims, being definite, further limiting, and fully enabled by the

specification are also allowed.

4.   Any comments considered necessary by applicant must be submitted no

later than the payment of the issue fee and, to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly labeled

"Comments on Statement of Reasons for Allowance."

Conclusion

5.   Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Fred I. Ehichioya whose telephone number is 571-

272-4034. The examiner can normally be reached on M - F 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John E. Breene can be reached on 571-272-4107. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Fred I. Ehichioya
Patent Examiner
Art Unit 2162

December 9, 2005

SHAHID ALAM
PRIMARY EXAMINER